

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 AT JOPPA FARM ROAD IN HARFORD COUNTY. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

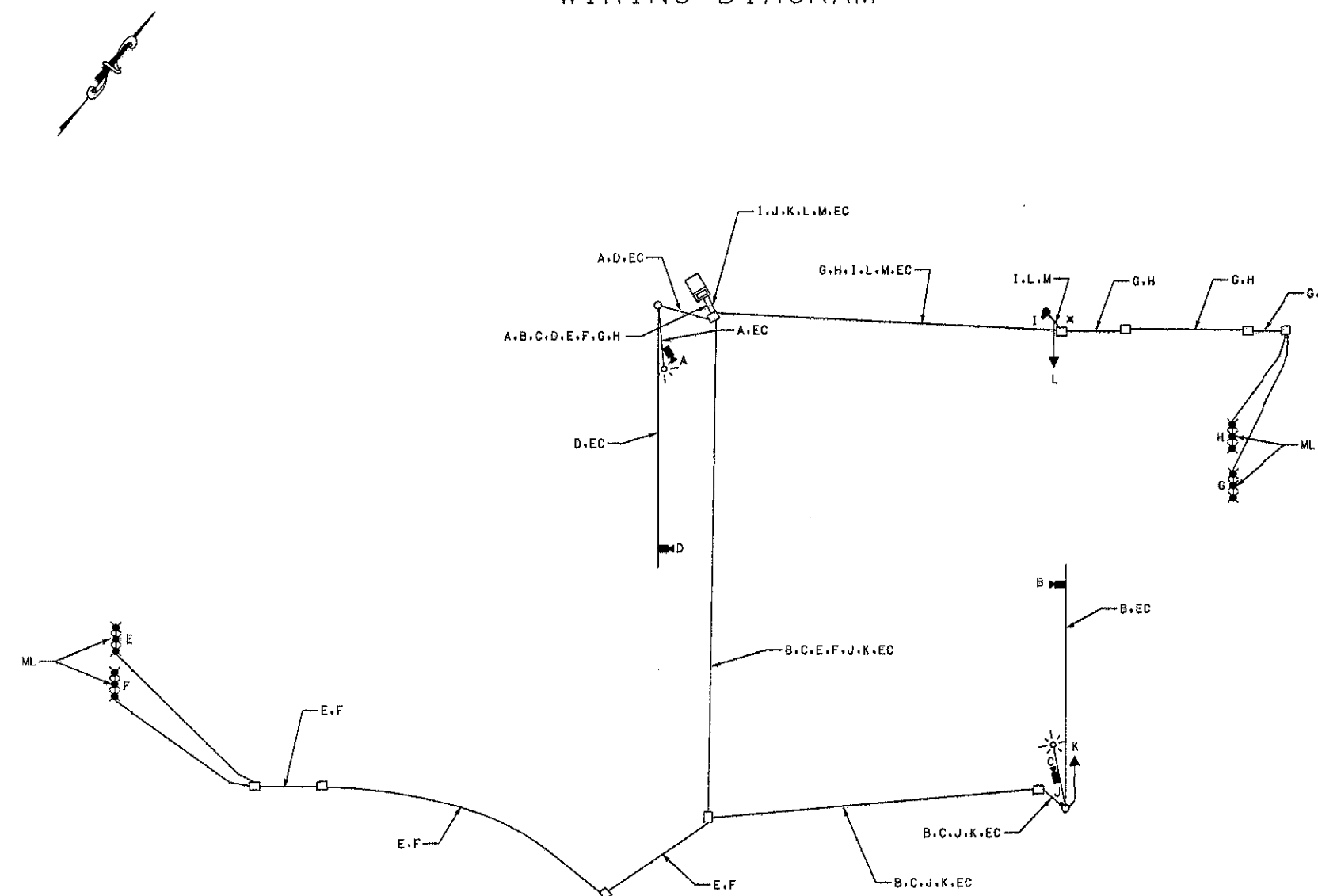
AN EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER HOUSED IN A BASE MOUNTED CABINET EXISTS AT THIS INTERSECTION. THE CONTROLLER OPERATES AS A SIX-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH EXCLUSIVE LEFT TURN PHASES FOR EASTBOUND AND WESTBOUND US 40 AND SIDE STREET SPLIT PHASING. INSTALL VIDEO INTERFACE EQUIPMENT INTO THE EXISTING CABINET.

PHASE CHART

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

| PHASE 1 & 5 | <G- | <G- | R | R | <G- | <G- | R | R | R | R | R | R | R | R | R | R | DW | DW |
|--------------------|--|------|------|------|------|------|------|------|------------------|------------------|------|------------------|------------------|------|------|------|-------|-------|
| 1 & 5 CHANGE | PHASE 1 & 5 CHANGE MAY CHANGE TO PHASE 1 & 6, 2 & 5 OR 2 & 6 | | | | | | | | | | | | | | | | | |
| PHASE 1 & 6 | <G- | <G- | G | G | R | R | R | R | R | R | R | R | R | R | R | R | DW | DW |
| 1 & 6 CHANGE | <Y- | <Y- | G | G | R | R | R | R | R | R | R | R | R | R | R | R | DW | DW |
| PHASE 2 & 5 | <R- | <R- | R | R | <G- | <G- | G | G | R | R | R | R | R | R | R | R | DW | DW |
| 2 & 5 CHANGE | <R- | <R- | R | R | <Y- | <Y- | G | G | R | R | R | R | R | R | R | R | DW | DW |
| PHASE 2 & 6 | <R- | <R- | G | G | <R- | <R- | G | G | R | R | R | R | R | R | R | R | DW | DW |
| 2 & 6 CHANGE | <R- | <R- | Y | Y | <R- | <R- | Y | Y | R | R | R | R | R | R | R | R | DW | DW |
| PHASE 3 | <R- | <R- | R | R | <R- | <R- | R | R | ⁶ <G- | ⁶ <G- | G | R | R | R | R | R | DW | DW |
| 3 CHANGE | <R- | <R- | R | R | <R- | <R- | R | R | Y | Y | Y | R | R | R | R | R | DW | DW |
| PHASE 3 ALT. | <R- | <R- | R | R | <R- | <R- | R | R | ⁶ <G- | ⁶ <G- | G | R | R | R | R | R | WK | WK |
| P.D. CLEAR | <R- | <R- | R | R | <R- | <R- | R | R | ⁶ <G- | ⁶ <G- | G | R | R | R | R | R | FLD/W | FLD/W |
| 3 ALT. CHANGE | <R- | <R- | R | R | <R- | <R- | R | R | Y | Y | Y | R | R | R | R | R | DW | DW |
| PHASE 4 | <R- | <R- | R | R | <R- | <R- | R | R | R | R | R | ⁶ <G- | ⁶ <G- | G | DW | DW | DW | DW |
| 4 CHANGE | <R- | <R- | R | R | <R- | <R- | R | R | R | R | R | Y | Y | Y | Y | Y | DW | DW |
| FLASHING OPERATION | FL/R | FL/R | FL/Y | FL/Y | FL/R | FL/R | FL/Y | FL/Y | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R | FL/R | DARK | DARK |

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

WIRING DIAGRAM

| | |
|--------------|--|
| A & D | VIDEO DETECTION 250 FT. PREMANUFACTURED CABLE |
| B & C | VIDEO DETECTION 500 FT. PREMANUFACTURED CABLE |
| E-H | MICRO-LOOP PROBE |
| I-J | 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) |
| K-L | 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.) |
| M | STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.) |
| EC | EXISTING CABLE |
| ML | MICRO-LOOP PROBE |
| X | GROUND ROD |

EQUIPMENT TO BE SUPPLIED BY SHA AND INSTALLED BY THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

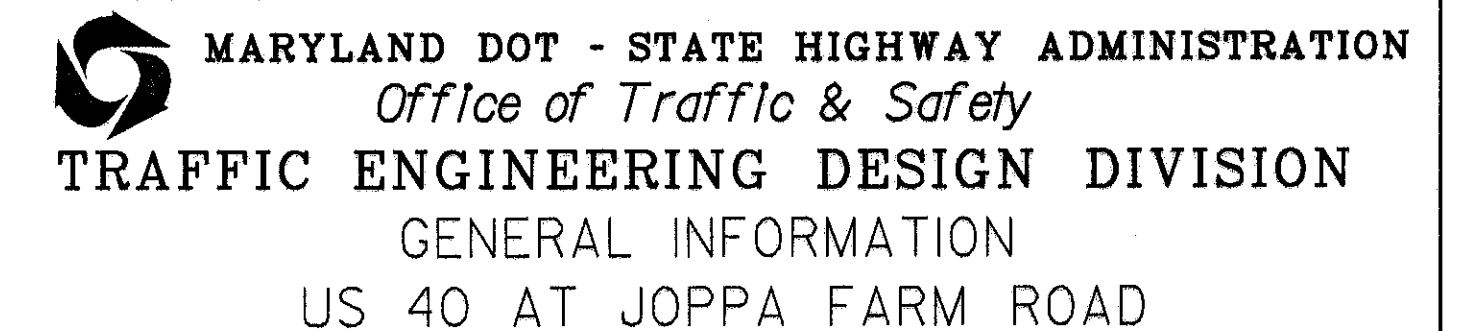
CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. MIKE STOCKER
SUPPLY OFFICE
SIGNAL SHOP WAREHOUSE
(410) 787-7668

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR

ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR



325 Gambrills Road
Suite E
Gambrills, MD 21054
(410) 923-7101

| | | | |
|----------------------|-----------------|-------------------|-----------|
| DRAWN BY: M.HOWELL | F.A.P. NO. | TS NO. | SHEET NO. |
| CHECKED BY: T.ZAYDEL | S.H.A. NO. | 100 GI | |
| SCALE: 1" = 20' | COUNTY: HARFORD | T.I.M.S. NO. E617 | |
| DATE: 8-22-02 | LOG MILE: | | 2 OF 2 |